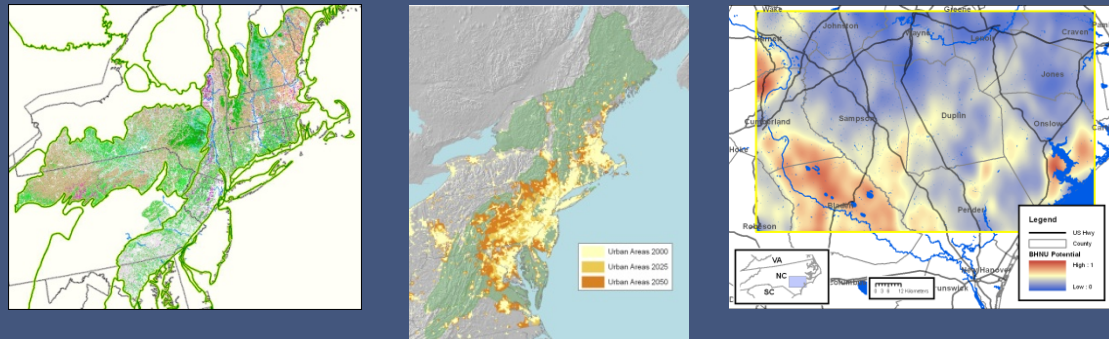


Moving Forward: Landscape Conservation Cooperatives



Meredith Bartron
USFWS Northeast Fishery Center
June 23, 2010

Landscape Conservation Cooperatives

Why?

21st century resource threats magnified by accelerating climate change demand increased science capacity.



Shutterstock

Landscape Conservation Cooperatives

What are they?

Applied conservation science partnerships. Partners include federal agencies, state agencies, Tribes, conservation organizations, and universities within a geographically defined area.

Fundamental units of planning and adaptive science to target the right science in the right places.

A national and international network of conservation organizations and agencies supporting natural systems capable of sustaining abundant, diverse and healthy populations of fish, wildlife and plants.

Landscape Conservation Cooperatives

What do they do?

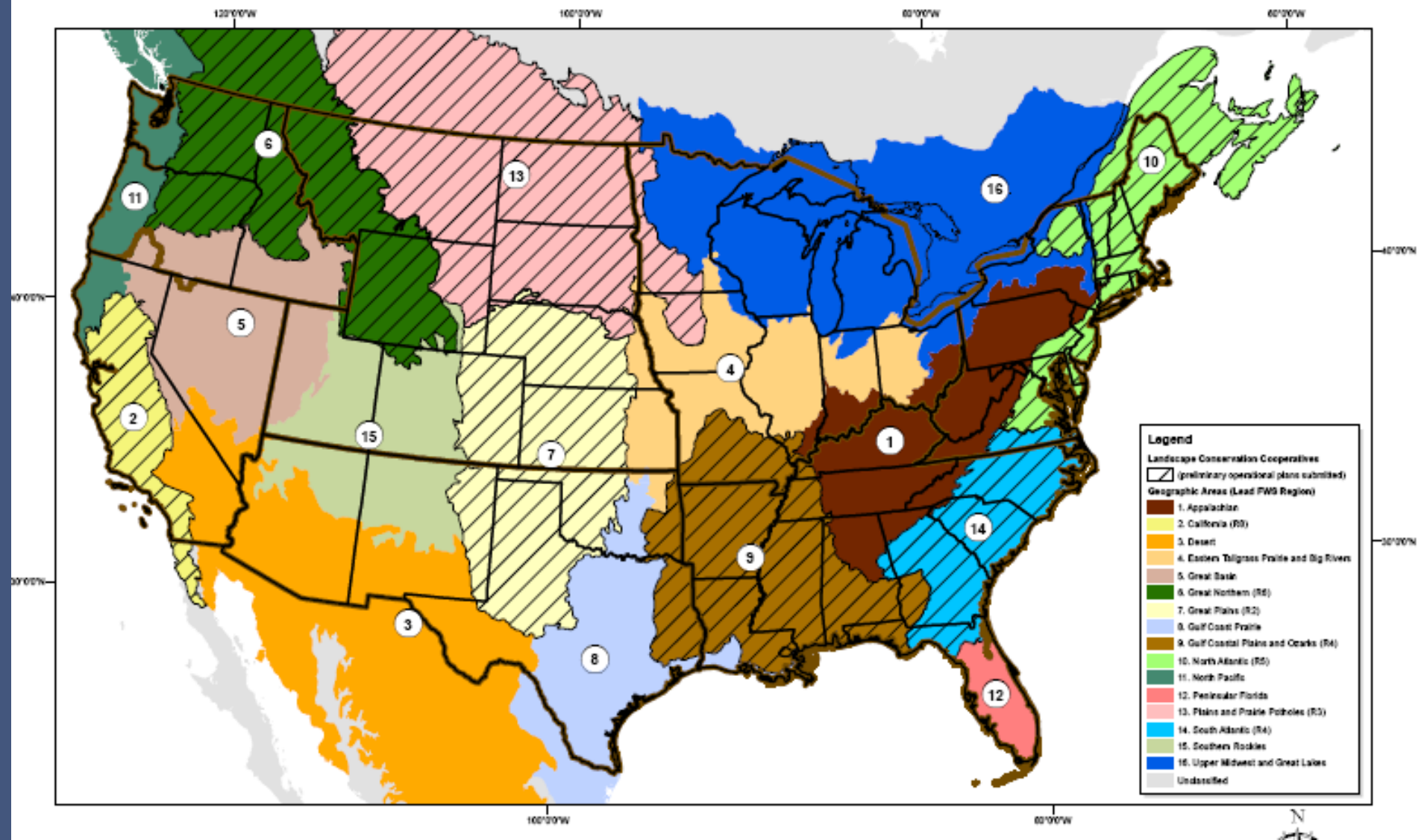
- Help partners identify common goals and priorities.
- Support biological planning, conservation design and adaptive management.
- Provide a strong link between science and conservation delivery on the ground.
- Regularly evaluate the effectiveness of scientific information and conservation actions.





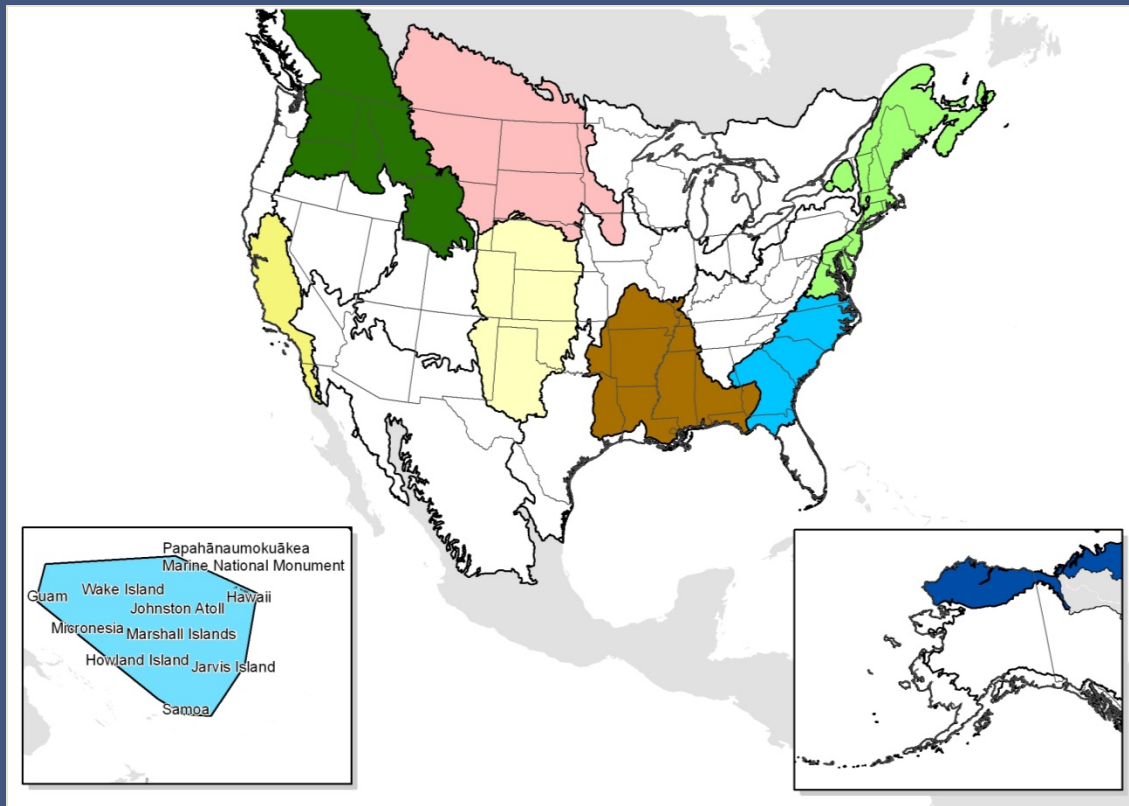
U.S. Department of the Interior

Landscape Conservation Cooperatives - Interim Geographic Framework



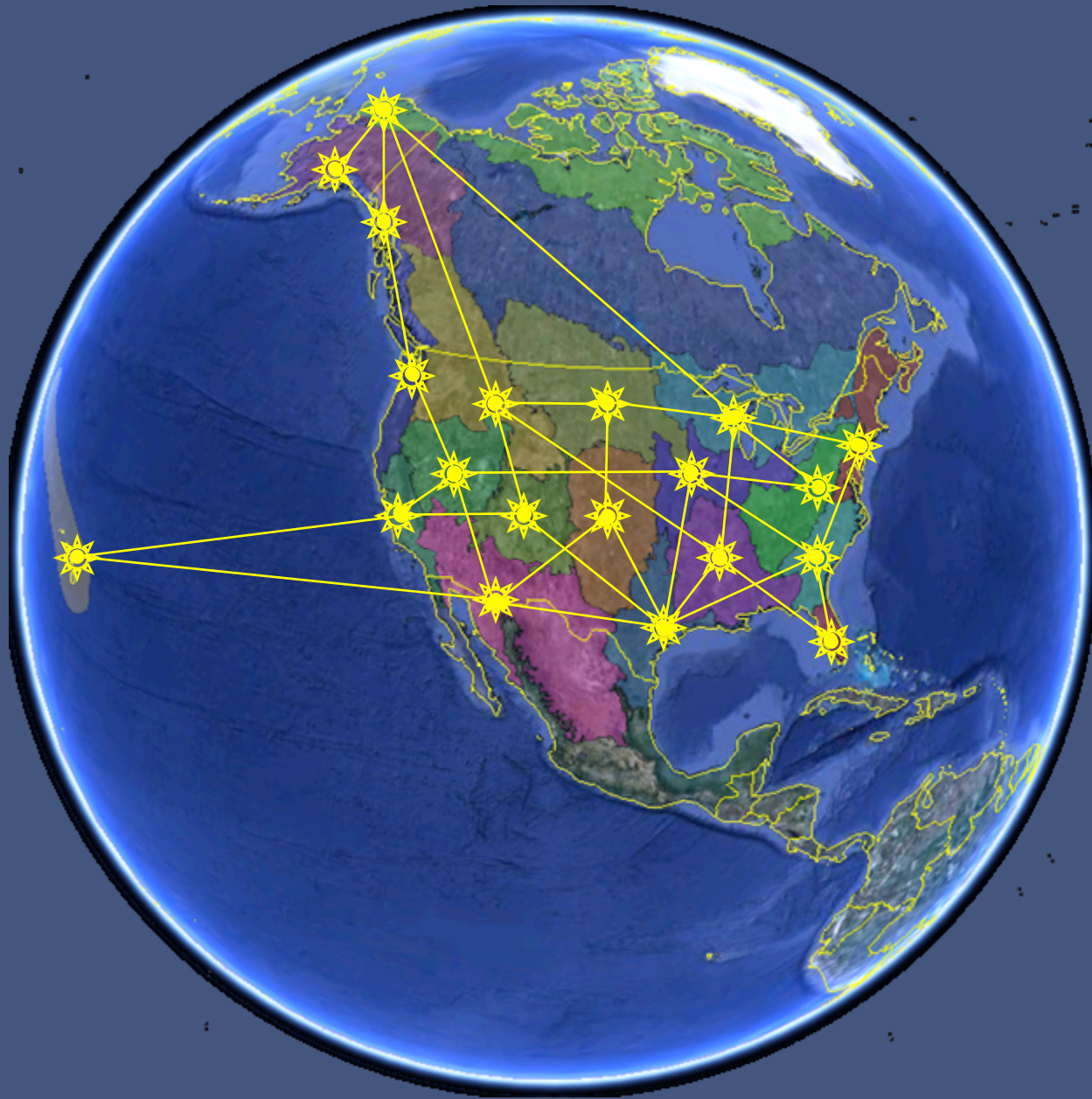
Landscape Conservation Cooperatives

Established in FY2010



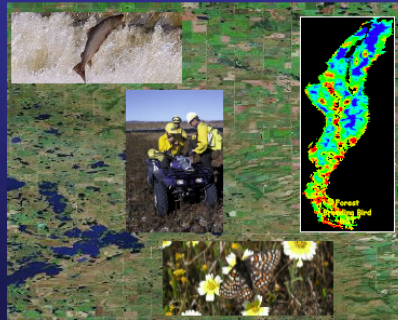
- Arctic
- California
- Great Northern
- Great Plains
- Gulf Coastal Plains & Ozarks
- North Atlantic
- Pacific Islands
- Plains and Prairie Potholes
- South Atlantic

National Network of Landscape Conservation Cooperatives



Strategic Habitat Conservation

Final Report of the
National Ecological
Assessment Team

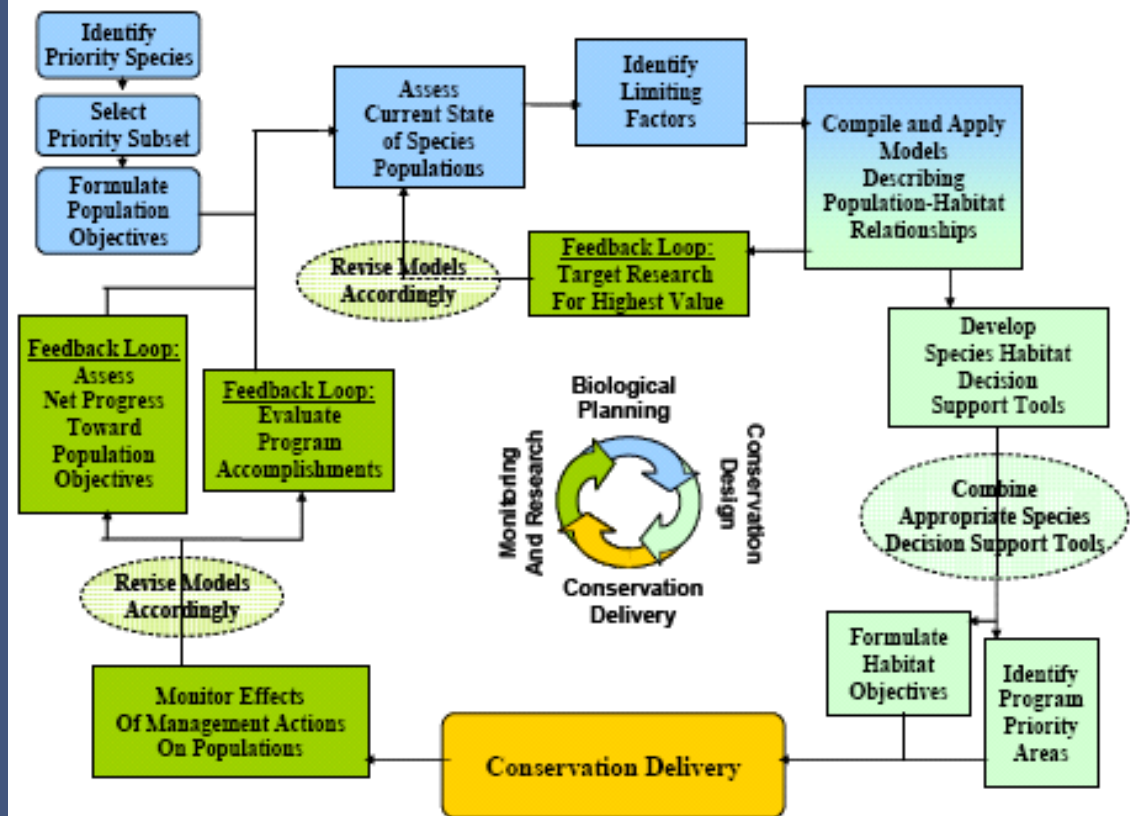


July 2006

Science-based Management

...a conservation approach that seeks to define, design, and deliver landscapes that support and sustain socio-viable populations of fish and wildlife and the ecological processes on which they depend.

Strategic Habitat Conservation Diagram



NA LCC FY 10 Implementation Actions:

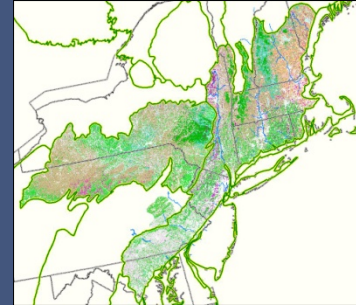
- NALCC Scoping Meeting-held November 20, 2009
- North Atlantic LCC Plan-submitted December 11, 2009
- Draft North Atlantic LCC Structure and Governance document distributed for review
- ARD Science Applications - *Dr. Ken Elowe*
- North Atlantic LCC Coordinator – *Andrew Milliken*
- Appalachian LCC Coordinator – *final selection process*
- Initial conservation science projects selected that support partner-identified priority science needs

NALCC FY 2010 Adaptive Science Projects

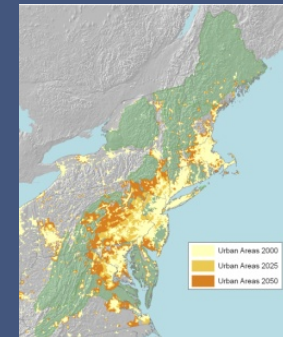
Project		Funding Need	
<i>Regional Species and Habitat Vulnerability Assessment</i>		\$100k	
<i>Designing Sustainable Landscapes</i>		\$400K	
<i>Forecasting changes in stream flow, temperature, and brook trout populations in Eastern U.S. as a result of climate change</i>		\$420k	
<i>TOTAL</i>		\$920k	

North Atlantic LCC Project Snapshot: Designing Sustainable Landscapes

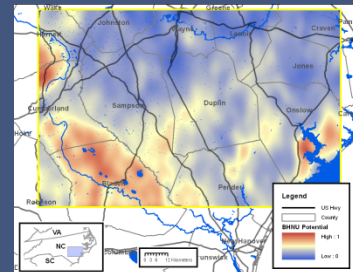
- Assess the current capability of habitats in the NALCC to support sustainable wildlife populations
- Predict the impacts of landscape-level changes (climate change, urban growth) on the future capability of these habitats
- Target conservation programs and evaluate alternatives for sustaining wildlife



Habitat
Maps
& Models



Landscape
Change
Models



Decision
Support
Tools

For more information...

- National LCC website:

<http://www.fws.gov/science/shc/lcc.html>

- Region 5 LCC website:

[http://www.fws.gov/northeast/climatechange/
lcc.html](http://www.fws.gov/northeast/climatechange/lcc.html)